

Title (en)  
LCO ELECTRODES AND BATTERIES FABRICATED THEREFROM

Title (de)  
LCO-ELEKTRODEN UND DARAUS HERGESTELLTE BATTERIEN

Title (fr)  
ÉLECTRODES LCO ET BATTERIES FABRIQUÉES À PARTIR DE CELLES-CI

Publication  
**EP 4101016 A1 20221214 (EN)**

Application  
**EP 21751162 A 20210116**

Priority

- US 202062969429 P 20200203
- US 2021013767 W 20210116

Abstract (en)  
[origin: US201242460A1] Electrodes for batteries, active stacks for batteries, batteries and methods of fabrication are described where the electrode has an LiCoO<sub>2</sub> (LCO) electrode layer with a (110), (101), (104), or (003) crystallographic orientation or combinations thereof.

IPC 8 full level  
**H01M 4/131** (2010.01); **H01M 4/02** (2006.01); **H01M 4/04** (2006.01); **H01M 4/1391** (2010.01); **H01M 4/525** (2010.01); **H01M 4/66** (2006.01); **H01M 10/052** (2010.01); **H01M 10/058** (2010.01)

CPC (source: EP KR US)  
**C01G 51/42** (2013.01 - EP KR US); **H01M 4/131** (2013.01 - KR US); **H01M 4/525** (2013.01 - EP KR US); **H01M 4/661** (2013.01 - US); **H01M 10/0525** (2013.01 - EP KR US); **H01M 10/0562** (2013.01 - EP KR); **C01P 2002/72** (2013.01 - EP KR US); **C01P 2002/76** (2013.01 - EP KR US); **C01P 2002/88** (2013.01 - EP US); **C01P 2004/03** (2013.01 - EP US); **C01P 2006/40** (2013.01 - EP KR US); **H01M 2004/021** (2013.01 - KR US); **H01M 2004/028** (2013.01 - EP KR US); **H01M 2300/0068** (2013.01 - EP KR); **Y02E 60/10** (2013.01 - EP)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**US 2021242460 A1 20210805**; AU 2021216845 A1 20220728; AU 2021216845 B2 20240718; CA 3165310 A1 20210812; EP 4101016 A1 20221214; JP 2023514086 A 20230405; JP 2024059886 A 20240501; JP 7505009 B2 20240624; KR 20220119134 A 20220826; TW 202147672 A 20211216; US 2024186507 A1 20240606; WO 2021158351 A1 20210812

DOCDB simple family (application)  
**US 202117151133 A 20210116**; AU 2021216845 A 20210116; CA 3165310 A 20210116; EP 21751162 A 20210116; JP 2022545061 A 20210116; JP 2024028440 A 20240228; KR 20227025442 A 20210116; TW 110102582 A 20210122; US 2021013767 W 20210116; US 202318542736 A 20231217